GenCore version 5.1.3

OM protein - protein search, using sw model

Run on: December 30, 2002, 16:16:03 ; Search time 14 Seconds
(without alignments)
136.606 Million cell updates/sec

Title: US-09-664-326-23
Perfect score: 368
Sequence: 1 LTYTDCTESGQNLCLCEGSN.....PKPQSHNDGDFEEIPEEYLQ 65

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	368	100.0	65	1	US-08-199-506A-2	Sequence 2, Appli
2	368	100.0	65	1	US-08-385-551-1	Sequence 1, Appli
3	368	100.0	65	1	US-08-378-225A-2	Sequence 2, Appli
4	368	100.0	65	4	US-09-303-970-2	Sequence 2, Appli
5	368	100.0	65	6	5180668-1	Patent No. 5180668
6	366	99.5	65	6	5180668-9	Patent No. 5180668
7	360	97.8	65	1	US-07-970-596-1	Sequence 1, Appli
8	360	97.8	65	1	US-07-985-110-18	Sequence 18, Appl
9	360	97.8	65	1	US-07-985-110-22	Sequence 22, Appl
10	360	97.8	65	1	US-07-985-110-23	Sequence 23, Appl
11	360	97.8	65	1	US-07-763-860-1	Sequence 1, Appli
12	360	97.8	65	1	US-08-099-053-18	Sequence 18, Appl
13	360	97.8	65	1	US-08-099-053-22	Sequence 22, Appl
14	360	97.8	65	1	US-08-099-053-23	Sequence 23, Appl
15	360	97.8	65	1	US-07-854-596B-2	Sequence 2, Appli
16	360	97.8	65	1	US-08-058-699-1	Sequence 1, Appli
17	360	97.8	65	1	US-07-910-528-3	Sequence 3, Appli
18	360	97.8	65	1	US-08-348-972-3	Sequence 3, Appli
19	360	97.8	65	1	US-08-452-829-18	Sequence 18, Appl
20	360	97.8	65	1	US-08-452-829-22	Sequence 22, Appl
21	360	97.8	65	1	US-08-452-829-23	Sequence 23, Appl
22	360	97.8	65	1	US-08-255-272-17	Sequence 17, Appl
23	360	97.8	65	1	US-08-406-948A-6	Sequence 6, Appli
24	360	97.8	65	1	US-08-367-758B-14	Sequence 14, Appl
25	360	97.8	65	2	US-08-909-735-14	Sequence 14, Appl
26	360	97.8	65	4	US-09-341-926-2	Sequence 2, Appli
27	360	97.8	65	6	5164304-10	Patent No. 5164304
28	360	97.8	65	6	5167960-1	Patent No. 5167960
29	360	97.8	66	6	5422249-2	Patent No. 5422249
30	360	97.8	82	1	US-08-715-252-2	Sequence 2, Appli
31	360	97.8	82	2	US-08-453-051-4	Sequence 4, Appli
32	360	97.8	92	1	US-08-186-222-4	Sequence 4, Appli
33	360	97.8	134	1	US-07-854-596B-9	Sequence 9, Appli
34	360	97.8	483	1	US-07-854-596B-43	Sequence 43, Appl
35	360	97.8	483	1	US-07-854-596B-47	Sequence 47, Appl
36	359	97.6	64	1	US-08-385-551-2	Sequence 2, Appli
37	359	97.6	64	1	US-08-385-551-6	Sequence 6, Appli
38	359	97.6	64	1	US-08-385-551-8	Sequence 8, Appli
39	358	97.3	65	1	US-07-985-110-20	Sequence 20, Appl
40	358	97.3	65	1	US-08-099-053-20	Sequence 20, Appl
41	358	97.3	65	1	US-08-452-829-20	Sequence 20, Appl
42	356	96.7	65	4	US-09-341-926-3	Sequence 3, Appli
43	356	96.7	65	4	US-09-341-926-4	Sequence 4, Appli
44	355	96.5	63	6	5166318-13	Patent No. 5166318
45	355	96.5	64	1	US-07-763-860-2	Sequence 2, Appli

ALIGNMENTS

```
RESULT 1
US-08-199-506A-2
; Sequence 2, Application US/08199506A
; Patent No. 5472938
;  GENERAL INFORMATION:
;    APPLICANT:  Arvinte, Tudor
;    TITLE OF INVENTION:  Pharmaceutical Compositions
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corp.; Patent Department
;      STREET:  556 Morris Avenue
;      CITY:  Summit
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07901
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/199,506A
;      FILING DATE:  17-FEB-1994
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kaiser, Karen G
;      REGISTRATION NUMBER:  33,506
;      REFERENCE/DOCKET NUMBER:  4-19453/A/MA 2079
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-277-3318
;      TELEFAX:  908-277-4306
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  65 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-199-506A-2

  Query Match           100.0%;  Score 368;  DB 1;  Length 65;
  Best Local Similarity  100.0%;  Pred. No. 4.6e-29;
  Matches   65;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db      1 LTYTDCTESGQNLCLCEGSNVCGQGNKCILGSDGEKNQCVTGEGTPKPQSHNDGDFEEIP 60
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Qy      61 EEYLQ 65
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Db      61 EEYLQ 65


RESULT 2
US-08-385-551-1
; Sequence 1, Application US/08385551
; Patent No. 5674838
;  GENERAL INFORMATION:
;    APPLICANT:  Obermeier, Rainer
;    APPLICANT:  Ludwig, Jurgen
;    APPLICANT:  Tripier, Dominique
;    APPLICANT:  Hropot, Max
;    TITLE OF INVENTION:  Hirudin derivatives and a process for
;    TITLE OF INVENTION:  their preparation.
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner
;      STREET:  1300 I Street, N.W. Suite 700
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/385,551
;      FILING DATE:
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Millonig, Robert C.
;      REGISTRATION NUMBER:  34,395
;      REFERENCE/DOCKET NUMBER:  02481.1423-00000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 408-4000
;      TELEFAX:  (202) 408-4400
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  65 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    ORIGINAL SOURCE:
;      ORGANISM:  desulfato-Tyr63 hirudin
;    FEATURE:
;      NAME/KEY:  protein
;      LOCATION:  1..65
US-08-385-551-1

  Query Match             100.0%;  Score 368;  DB 1;  Length 65;
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  Matches   65;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy      61 EEYLQ 65
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Db      61 EEYLQ 65


RESULT 3
US-08-378-225A-2
; Sequence 2, Application US/08378225A
; Patent No. 5733874
;  GENERAL INFORMATION:
;    APPLICANT:  Arvinte, Tudor
;    TITLE OF INVENTION:  Stable Dry Powders
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30B
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/378,225A
;      FILING DATE:
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9401448.7
;      FILING DATE:  26-JAN-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Spruill, W. Murray
;      REGISTRATION NUMBER:  32,943
;      REFERENCE/DOCKET NUMBER:  4-19842/A/MA2093
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919) 541-8615
;      TELEFAX:  (919) 541-8689
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  65 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
US-08-378-225A-2

  Query Match             100.0%;  Score 368;  DB 1;  Length 65;
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  Matches   65;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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RESULT 4
US-09-303-970-2
; Sequence 2, Application US/09303970
; Patent No. 6436901
;   GENERAL INFORMATION:
;        APPLICANT: Arvinte, Tudor.
;        TITLE OF INVENTION: Pharmaceutical Compositions
;        NUMBER OF SEQUENCES: 5
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: NOVARTIS Corporation
;             STREET: 564 Morris Avenue
;             CITY: Summit
;             STATE: New Jersey
;             COUNTRY: USA
;             ZIP: 07901-1027
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
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;             APPLICATION NUMBER: US/09/303,970
;             FILING DATE: 03-May-1999
;             CLASSIFICATION: <Unknown>
;                             26-JAN-1994
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/682,525
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: GB 9401447.9
;             FILING DATE: 26-JAN-1994
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Pfeiffer, Hesna J.
;             REGISTRATION NUMBER: 22,640
;             REFERENCE/DOCKET NUMBER: 4-18518/A/MA
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (908)522 6940
;             TELEFAX: (908)522 6955
;   INFORMATION FOR SEQ ID NO: 2:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 65 amino acids
;             TYPE: amino acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: protein
;        HYPOTHETICAL: no
;        ANTI-SENSE: no
;        SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-303-970-2

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  Best Local Similarity   100.0%;  Pred. No. 4.6e-29;
  Matches   65;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy     61 EEYLQ 65
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RESULT 5
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;Patent No. 5180668
;    APPLICANT: CRAUSE, PETER;HABERMANN, PAUL;TRIPIER, DOMINIQUE
;    TITLE OF INVENTION: HIRUDIN DERIVATIVE
;    NUMBER OF SEQUENCES: 10
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/295,422
;      FILING DATE: 10-JAN-1989
;SEQ ID NO:1:
;      LENGTH: 65
5180668-1

  Query Match             100.0%;  Score 368;  DB 6;  Length 65;
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  Matches   65;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 LTYTDCTESGQNLCLCEGSNVCGQGNKCILGSDGEKNQCVTGEGTPKPQSHNDGDFEEIP 60
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Qy     61 EEYLQ 65
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Db     61 EEYLQ 65


RESULT 6
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;Patent No. 5180668
;    APPLICANT: CRAUSE, PETER;HABERMANN, PAUL;TRIPIER, DOMINIQUE
;    TITLE OF INVENTION: HIRUDIN DERIVATIVE
;    NUMBER OF SEQUENCES: 10
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/295,422
;      FILING DATE: 10-JAN-1989
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5180668-9

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  Best Local Similarity   98.5%;  Pred. No. 7.2e-29;
  Matches   64;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

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          :|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy     61 EEYLQ 65
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Db     61 EEYLQ 65


RESULT 7
US-07-970-596-1
; Sequence 1, Application US/07970596
; Patent No. 5232912
;  GENERAL INFORMATION:
;    APPLICANT:  Krstenansky, John L
;    TITLE OF INVENTION:  Anticoagulant Peptides
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marion Merrell Dow Inc.
;      STREET:  2110 East Galbraith Rd.
;      CITY:  Cincinnati  P.  O.  Box 156300
;      STATE:  Ohio
;      COUNTRY:  USA
;      ZIP:  45215-6300
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/970,596
;      FILING DATE:  30-OCT-1992
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/645,539
;      FILING DATE:  24-JAN-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Collier, Kenneth J
;      REGISTRATION NUMBER:  P-34,982
;      REFERENCE/DOCKET NUMBER:  M01384A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (513) 948-7834
;      TELEFAX:  (513) 948-7961
;      TELEX:  214320
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  65 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    ORIGINAL SOURCE:
;      ORGANISM:  Hirudo medicinalis (Medicinal Leech)
;      STRAIN:  Class: Eukaryota; Metazoa; Annelida; Hirudinea
;    FEATURE:
;      NAME/KEY:  Peptide
;      LOCATION:  1..65
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;      OTHER INFORMATION:  /note= "Serine Protease Inhibitor; Sulfatation;
;      OTHER INFORMATION:  Multigene Family; 3D-Structure; 6970 MN; 20445
;      OTHER INFORMATION:  CN."
;    FEATURE:
;      NAME/KEY:  Peptide
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;      OTHER INFORMATION:  /label= Properties
;      OTHER INFORMATION:  /note= "Hirudin is a potent thrombin-specific
;      OTHER INFORMATION:  protease inhibitor that forms a stable
;      OTHER INFORMATION:  non-covalent complex with "
;    FEATURE:
;      NAME/KEY:  Peptide
;      LOCATION:  1..65
;      OTHER INFORMATION:  /label= Features
;      OTHER INFORMATION:  /note= "(cont'd) alpha-thrombin, thereby
;      OTHER INFORMATION:  abolishing its ability to cleave fibrinogen."
;    FEATURE:
;      NAME/KEY:  Peptide
;      LOCATION:  63
;      OTHER INFORMATION:  /label= Features
;      OTHER INFORMATION:  /note= "Modified Residue (RES),RES 63 Sulfatation"
;    PUBLICATION INFORMATION:
;      AUTHORS:  Dodt, J
;      AUTHORS:  Muller, H P
;      AUTHORS:  Seemuller, U
;      AUTHORS:  Chang, J Y
;      JOURNAL:  FEBS Lett.
;      ISSUE:  165
;      PAGES:  180-183
;      DATE:  1984
;    PUBLICATION INFORMATION:
;      AUTHORS:  Petersen, T E
;      AUTHORS:  Roberts, H R
;      AUTHORS:  Sottrup-Jensen, L
;      AUTHORS:  Magnusson, S
;      AUTHORS:  Bagdy, D
;      JOURNAL:  Book: Protides of The Biological Fluids,Proc. 23rd Colloq.
;      PAGES:  145-149
;      DATE:  1976
;    PUBLICATION INFORMATION:
;      AUTHORS:  Folkers M, P J
;      AUTHORS:  Clore, G M
;      AUTHORS:  Driscoll, P C
;      AUTHORS:  Dodt, J
;      AUTHORS:  Koehler, S
;      TITLE:  Structure by NMR
;      JOURNAL:  Abstracted in GenBank
US-07-970-596-1

  Query Match             97.8%;  Score 360;  DB 1;  Length 65;
  Best Local Similarity   96.9%;  Pred. No. 2.7e-28;
  Matches   63;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

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Db       1 VVYTDCTESGQNLCLCEGSNVCGQGNKCILGSDGEKNQCVTGEGTPKPQSHNDGDFEEIP 60

Qy      61 EEYLQ 65
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Db      61 EEYLQ 65


RESULT 8
US-07-985-110-18
; Sequence 18, Application US/07985110
; Patent No. 5286714
;  GENERAL INFORMATION:
;    APPLICANT:  Crause, Peter
;    APPLICANT:  Habermann, Paul
;    APPLICANT:  Tripier, Dominique
;    APPLICANT:  Ulmer, Wolfgang
;    APPLICANT:  Schmid, Gerhard
;    TITLE OF INVENTION:  No. 5286714el Synthetic Isohirudins with
;    TITLE OF INVENTION:  Improved Stability
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner
;      STREET:  1300 I Street, N.W., Suite 700
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/985,110
;      FILING DATE:  03-DEC-1992
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DE P 4140381.9
;      FILING DATE:  07-DEC-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Einaudi, Carol P.
;      REGISTRATION NUMBER:  32,220
;      REFERENCE/DOCKET NUMBER:  02481-1244-00000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-408-4000
;      TELEFAX:  202-408-4400
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  65 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-07-985-110-18

  Query Match             97.8%;  Score 360;  DB 1;  Length 65;
  Best Local Similarity   98.4%;  Pred. No. 2.7e-28;
  Matches   63;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

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Db       2 TYTDCTESGQNLCLCEGSNVCGQGNKCILGSEGEKNQCVTGEGTPKPQSHNDGDFEEIPE 61

Qy      62 EYLQ 65
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Db      62 EYLQ 65


RESULT 9
US-07-985-110-22
; Sequence 22, Application US/07985110
; Patent No. 5286714
;  GENERAL INFORMATION:
;    APPLICANT:  Crause, Peter
;    APPLICANT:  Habermann, Paul
;    APPLICANT:  Tripier, Dominique
;    APPLICANT:  Ulmer, Wolfgang
;    APPLICANT:  Schmid, Gerhard
;    TITLE OF INVENTION:  No. 5286714el Synthetic Isohirudins with
;    TITLE OF INVENTION:  Improved Stability
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner
;      STREET:  1300 I Street, N.W., Suite 700
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/985,110
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;      FILING DATE:  03-DEC-1992
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DE P 4140381.9
;      FILING DATE:  07-DEC-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Einaudi, Carol P.
;      REGISTRATION NUMBER:  32,220
;      REFERENCE/DOCKET NUMBER:  02481-1244-00000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-408-4000
;      TELEFAX:  202-408-4400
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  65 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-07-985-110-22

  Query Match             97.8%;  Score 360;  DB 1;  Length 65;
  Best Local Similarity   98.4%;  Pred. No. 2.7e-28;
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Qy       2 TYTDCTESGQNLCLCEGSNVCGQGNKCILGSDGEKNQCVTGEGTPKPQSHNDGDFEEIPE 61
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Db       2 TYTDCTESGQNLCLCEGSNVCGQGNKCILGSDGEKNQCVTGEGTPKPQSHNEGDFEEIPE 61

Qy      62 EYLQ 65
           ||||
Db      62 EYLQ 65


RESULT 10
US-07-985-110-23
; Sequence 23, Application US/07985110
; Patent No. 5286714
;  GENERAL INFORMATION:
;    APPLICANT:  Crause, Peter
;    APPLICANT:  Habermann, Paul
;    APPLICANT:  Tripier, Dominique
;    APPLICANT:  Ulmer, Wolfgang
;    APPLICANT:  Schmid, Gerhard
;    TITLE OF INVENTION:  No. 5286714el Synthetic Isohirudins with
;    TITLE OF INVENTION:  Improved Stability
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner
;      STREET:  1300 I Street, N.W., Suite 700
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/985,110
;      FILING DATE:  03-DEC-1992
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DE P 4140381.9
;      FILING DATE:  07-DEC-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Einaudi, Carol P.
;      REGISTRATION NUMBER:  32,220
;      REFERENCE/DOCKET NUMBER:  02481-1244-00000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-408-4000
;      TELEFAX:  202-408-4400
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  65 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-07-985-110-23

  Query Match             97.8%;  Score 360;  DB 1;  Length 65;
  Best Local Similarity   98.4%;  Pred. No. 2.7e-28;
  Matches   63;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy      62 EYLQ 65
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Db      62 EYLQ 65


RESULT 11
US-07-763-860-1
; Sequence 1, Application US/07763860
; Patent No. 5296352
;  GENERAL INFORMATION:
;    APPLICANT:  Schlaeppi, Jean-Marc
;    TITLE OF INVENTION:  Monoclonal Antibodies Directed Against
;    TITLE OF INVENTION:  Complexes Formed by Thrombin and Thrombin Inhibitors
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/763,860
;      FILING DATE:  19910923
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9021370.3
;      FILING DATE:  02-OCT-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lazar, Steven R.
;      REGISTRATION NUMBER:  32,618
;      REFERENCE/DOCKET NUMBER:  4-18266/A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8615
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  65 amino acids
;      TYPE:  AMINO ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  hirudo medicinalis
;      INDIVIDUAL ISOLATE:  hirudin variant type HV1
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  27
;      OTHER INFORMATION:  /note= "Lys may replaced by Ile or
;      OTHER INFORMATION:  Glu"
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;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  36
;      OTHER INFORMATION:  /note= "Lys may replaced by Ile or
;      OTHER INFORMATION:  Glu"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  47
;      OTHER INFORMATION:  /note= "Lys may replaced by Ile or
;      OTHER INFORMATION:  Glu"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  51
;      OTHER INFORMATION:  /note= "His may replaced by Leu or
;      OTHER INFORMATION:  Asp"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1..2
;      OTHER INFORMATION:  /note= "Val 1-Val 2 may be replaced
;      OTHER INFORMATION:  by Thr or Leu-Thr"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  63
;      OTHER INFORMATION:  /note= "Tyr 63 is a modified Tyr
US-07-763-860-1

  Query Match             97.8%;  Score 360;  DB 1;  Length 65;
  Best Local Similarity   96.9%;  Pred. No. 2.7e-28;
  Matches   63;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1 LTYTDCTESGQNLCLCEGSNVCGQGNKCILGSDGEKNQCVTGEGTPKPQSHNDGDFEEIP 60
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Db       1 VVYTDCTESGQNLCLCEGSNVCGQGNKCILGSDGEKNQCVTGEGTPKPQSHNDGDFEEIP 60

Qy      61 EEYLQ 65
           |||||
Db      61 EEYLQ 65


RESULT 12
US-08-099-053-18
; Sequence 18, Application US/08099053
; Patent No. 5316947
;  GENERAL INFORMATION:
;    APPLICANT:  Crause, Peter
;    APPLICANT:  Habermann, Paul
;    APPLICANT:  Tripier, Dominique
;    APPLICANT:  Ulmer, Wolfgang
;    APPLICANT:  Schmid, Gerhard
;    TITLE OF INVENTION:  No. 5316947el Synthetic Isohirudins with
;    TITLE OF INVENTION:  Improved Stability
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner
;      STREET:  1300 I Street, N.W., Suite 700
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/099,053
;      FILING DATE:  19930729
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/985,110
;      FILING DATE:  03-DEC-1992
;      APPLICATION NUMBER:  DE P 4140381.9
;      FILING DATE:  07-DEC-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Einaudi, Carol P.
;      REGISTRATION NUMBER:  32,220
;      REFERENCE/DOCKET NUMBER:  02481-1244-00000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-408-4000
;      TELEFAX:  202-408-4400
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  65 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-099-053-18

  Query Match             97.8%;  Score 360;  DB 1;  Length 65;
  Best Local Similarity   98.4%;  Pred. No. 2.7e-28;
  Matches   63;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

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Db       2 TYTDCTESGQNLCLCEGSNVCGQGNKCILGSEGEKNQCVTGEGTPKPQSHNDGDFEEIPE 61

Qy      62 EYLQ 65
           ||||
Db      62 EYLQ 65


RESULT 13
US-08-099-053-22
; Sequence 22, Application US/08099053
; Patent No. 5316947
;  GENERAL INFORMATION:
;    APPLICANT:  Crause, Peter
;    APPLICANT:  Habermann, Paul
;    APPLICANT:  Tripier, Dominique
;    APPLICANT:  Ulmer, Wolfgang
;    APPLICANT:  Schmid, Gerhard
;    TITLE OF INVENTION:  No. 5316947el Synthetic Isohirudins with
;    TITLE OF INVENTION:  Improved Stability
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner
;      STREET:  1300 I Street, N.W., Suite 700
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/099,053
;      FILING DATE:  19930729
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/985,110
;      FILING DATE:  03-DEC-1992
;      APPLICATION NUMBER:  DE P 4140381.9
;      FILING DATE:  07-DEC-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Einaudi, Carol P.
;      REGISTRATION NUMBER:  32,220
;      REFERENCE/DOCKET NUMBER:  02481-1244-00000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-408-4000
;      TELEFAX:  202-408-4400
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
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;      LENGTH:  65 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-099-053-22

  Query Match             97.8%;  Score 360;  DB 1;  Length 65;
  Best Local Similarity   98.4%;  Pred. No. 2.7e-28;
  Matches   63;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      2 TYTDCTESGQNLCLCEGSNVCGQGNKCILGSDGEKNQCVTGEGTPKPQSHNDGDFEEIPE 61
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Db      2 TYTDCTESGQNLCLCEGSNVCGQGNKCILGSDGEKNQCVTGEGTPKPQSHNEGDFEEIPE 61

Qy     62 EYLQ 65
          ||||
Db     62 EYLQ 65


RESULT 14
US-08-099-053-23
; Sequence 23, Application US/08099053
; Patent No. 5316947
;  GENERAL INFORMATION:
;    APPLICANT:  Crause, Peter
;    APPLICANT:  Habermann, Paul
;    APPLICANT:  Tripier, Dominique
;    APPLICANT:  Ulmer, Wolfgang
;    APPLICANT:  Schmid, Gerhard
;    TITLE OF INVENTION:  No. 5316947el Synthetic Isohirudins with
;    TITLE OF INVENTION:  Improved Stability
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner
;      STREET:  1300 I Street, N.W., Suite 700
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/099,053
;      FILING DATE:  19930729
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/985,110
;      FILING DATE:  03-DEC-1992
;      APPLICATION NUMBER:  DE P 4140381.9
;      FILING DATE:  07-DEC-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Einaudi, Carol P.
;      REGISTRATION NUMBER:  32,220
;      REFERENCE/DOCKET NUMBER:  02481-1244-00000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-408-4000
;      TELEFAX:  202-408-4400
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  65 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-099-053-23

  Query Match             97.8%;  Score 360;  DB 1;  Length 65;
  Best Local Similarity   98.4%;  Pred. No. 2.7e-28;
  Matches   63;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      2 TYTDCTESGQNLCLCEGSNVCGQGNKCILGSDGEKNQCVTGEGTPKPQSHNDGDFEEIPE 61
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Qy     62 EYLQ 65
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Db     62 EYLQ 65


RESULT 15
US-07-854-596B-2
; Sequence 2, Application US/07854596B
; Patent No. 5434073
;  GENERAL INFORMATION:
;    APPLICANT:  Dawson, Keith M
;    APPLICANT:  Hunter, Michael G
;    APPLICANT:  Czaplewski, Lloyd G
;    TITLE OF INVENTION:  Proteins and nucleic acids
;    NUMBER OF SEQUENCES:  73
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dr. John J. McDonnell
;      STREET:  Ten South Wacker Drive, Suite 3000
;      CITY:  Chicago
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60606
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/854,596B
;      FILING DATE:  03-JUN-1992
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McDonnell, John J
;      REGISTRATION NUMBER:  26,949
;      REFERENCE/DOCKET NUMBER:  92,337
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312-715-1000
;      TELEFAX:  312-715-1234
;      TELEX:  910-221-5317
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  65 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-07-854-596B-2

  Query Match             97.8%;  Score 360;  DB 1;  Length 65;
  Best Local Similarity   96.9%;  Pred. No. 2.7e-28;
  Matches   63;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy      1 LTYTDCTESGQNLCLCEGSNVCGQGNKCILGSDGEKNQCVTGEGTPKPQSHNDGDFEEIP 60
          : |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 VVYTDCTESGQNLCLCEGSNVCGQGNKCILGSDGEKNQCVTGEGTPKPQSHNDGDFEEIP 60

Qy     61 EEYLQ 65
          |||||
Db     61 EEYLQ 65


Search completed: December 30, 2002, 16:18:21
Job time : 15 secs
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